

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20040037197").PN.	US-PGPUB; USPAT	OR	OFF	2006/12/01 14:54
S2	14371	spherical near2 (aberation abhoration aberration abhorration)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 11:35
S3	484048	((optical compact) near2 (disk\$2 disc\$2 medium)) CD DvD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 11:37
S4	2753049	beam spot light	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 11:58
S5	2634	S3 and (S2 same S4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 11:59
S6	1	("20040037197").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/19 13:33
S7	14371	spherical near2 (aberation abhoration aberration abhorration)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:50
S8	484048	((optical compact) near2 (disk\$2 disc\$2 medium)) CD DvD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 13:33
S9	2753049	beam spot light	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 13:33
S10	2634	S8 and (S7 same S9)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:03
S11	3788352	quantit\$3 amount intensit\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:16
S12	4811	(discern\$3 determin\$5 discriminat\$5) near5 (disk disc medium) near5 type	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:02
S13	109	S8 and (S7 same S9) and S11 and S12	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:16
S14	295154	(quantit\$3 amount intensit\$3) near2 (detect\$3 measur\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:46

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S15	36	S8 and (S7 same S9) and S14 and S12	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:47
S16	64996	((quantit\$3 amount intensit\$3) near2 (detect\$3 measur\$3)) with (light irradiat\$4 beam spot)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:47
S17	32	S8 and (S7 same S9) and S16 and S12	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 14:49
S18	13	spherical near2 (aberation abhoration aberration abhorration) near2 generator	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 15:59
S19	1440	(type kind) same (disk disc medium) same (judg\$3 determin\$3 discriminat\$3) same intensity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 16:00
S20	750	(type kind) same (disk disc medium) same (judg\$3 determin\$3 discriminat\$3) same ((intensity quantity) near2 (light beam))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 16:01
S21	173	(type kind) same (disk disc medium) same (judg\$3 discriminat\$3) same ((intensity quantity) near2 (light beam))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 16:01
S22	13	(type kind) same (disk disc) same (judg\$3 discriminat\$3) same ((intensity quantity) near2 (light beam)) and (asymmetry symmetry)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 16:02
S23	98	(type kind) same (disk disc) same (judg\$3 discriminat\$3) same ((intensity quantity) near2 light)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 16:08
S24	1	(type kind) same (disk disc) same (judg\$3 discriminat\$3) same ((intensity quantity) near2 (light beam)) same (symmetry asymmetry)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/19 16:08
S25	4	(type kind) same (disk disc medium) same (judg\$3 discriminat\$3 determin\$3) same ((intensity quantity) near2 light) same (symmetry asymmetry)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:23
S26	1	("5710749").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/19 16:10
S27	1	("6061318").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/19 16:10

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S30	1	("20040037197").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/29 09:32
S31	15336	spherical near2 (aberation abhoration aberration abhorration)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S32	530961	((optical compact) near2 (disk\$2 disc\$2 medium)) CD DvD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S33	2886566	beam spot light	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S34	2922	S32 and (S31 same S33)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S35	15336	spherical near2 (aberation abhoration aberration abhorration)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S36	530961	((optical compact) near2 (disk\$2 disc\$2 medium)) CD DvD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S37	2886566	beam spot light	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S38	2922	S36 and (S35 same S37)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S39	1	("20040037197").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/29 09:32
S40	3967248	quantit\$3 amount intensit\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S41	5329	(discern\$3 determin\$5 discriminat\$5) near5 (disk disc medium) near5 type	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S42	121	S36 and (S35 same S37) and S40 and S41	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S43	312306	(quantit\$3 amount intensit\$3) near2 (detect\$3 measur\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S44	42	S36 and (S35 same S37) and S43 and S41	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32

## EAST Search History

S45	68534	((quantit\$3 amount intensit\$3) near2 (detect\$3 measur\$3)) with (light irradiat\$4 beam spot)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S46	38	S36 and (S35 same S37) and S45 and S41	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S47	13	spherical near2 (aberation abhoration aberration abhorration) near2 generator	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S48	1546	(type kind) same (disk disc medium) same (judg\$3 determin\$3 discriminat\$3) same intensity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S49	789	(type kind) same (disk disc medium) same (judg\$3 determin\$3 discriminat\$3) same ((intensity quantity) near2 (light beam))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S50	183	(type kind) same (disk disc medium) same (judg\$3 discriminat\$3) same ((intensity quantity) near2 (light beam))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S51	15	(type kind) same (disk disc) same (judg\$3 discriminat\$3) same ((intensity quantity) near2 (light beam)) and (asymmetry symmetry)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S52	103	(type kind) same (disk disc) same (judg\$3 discriminat\$3) same ((intensity quantity) near2 light)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S53	2	(type kind) same (disk disc) same (judg\$3 discriminat\$3) same ((intensity quantity) near2 (light beam)) same (symmetry asymmetry)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S54	6	(type kind) same (disk disc medium) same (judg\$3 discriminat\$3 determin\$3) same ((intensity quantity) near2 light) same (symmetry asymmetry)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 09:32
S55	1	("5710749").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/29 09:32
S56	1	("6061318").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/29 09:32
S57	15350	spherical near2 (aberation abhoration aberration abhorration)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 16:47

## EAST Search History

S58	220079	(type kind) near5 (disk disc medium)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:04
S59	18439	(judg\$3 discriminat\$3 determin\$3) same ((type kind) near5 (disk disc medium))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:04
S60	273341	((intensity quantity) near10 light)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:08
S61	2881942	beam laser light	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:07
S62	155	S57 and S59 and S60 and S61	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:09
S63	300404	((intensity quantity) near5 S61)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:08
S64	158	S57 and S59 and S63	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:12
S65	5158844	sum\$4 total\$3 summation addition all	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:11
S66	160878	S65 near5 S61	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:11
S67	87	S57 and S59 and S63 and S66	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:24
S68	156206	(symmetry asymmetry symetry asymetry)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:23
S69	31	S57 and S59 and S63 and S66 and S68	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:27
S70	2	S57 and S59 and S63 and (S66 same S68)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:27
S71	634	(369/53.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/12/01 14:54
S72	499	(369/53.22).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/12/01 14:54
S73	15350	spherical near2 (aberation abhoration aberration abhorration)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 14:55

## EAST Search History

S74	2881942	beam laser light	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 14:55
S75	300404	((intensity quantity) near5 S74)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 14:55
S76	5158844	sum\$4 total\$3 summation addition all	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 14:56
S77	160878	S76 near5 S74	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 14:55
S78	23	(S71 S72) and S73 and S75 and S77	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 15:00
S79	80	fujione.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 15:01
S80	13862	kishimoto.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 15:01
S81	169778	watanabe.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 15:01
S82	30	S79 and S80 and S81	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/12/01 15:01